## What is claimed:

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- 1. A laser engraver comprising:
  - a. a work surface for supporting a workpiece;
  - b. a laser having a beam; and
  - c. means for aiming said laser beam at said workpiece.
- The laser engraver of claim 1, wherein said means for aiming said laser beam at said workpiece comprises a reflector disposed between said laser and said workpiece.
- The laser engraver of claim 2, further comprising means for moving said reflector relative to said workpiece.
- 4. The laser engraver of claim 3, wherein said means for moving said reflector relative to said workpiece comprises:
  - a. a first rail situated along one side of said work surface;
  - a second rail situated along the opposite side of said work surface from said first rail, wherein said first and second rails are oriented parallel to one another;
  - a third rail, oriented perpendicular to said first and second rails, and slidably mounted to said first and second rails;
  - d. a carriage affixed to said reflector and slidably mounted to said third rail;
  - e. means for moving said third rail along said first and second rails; and

- f. means for moving said carriage along said third rail.
- 5. The laser engraver of claim 4, wherein said means for moving said third rail along said first and second rails comprises a motorized drive assembly.

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- 6. The laser engraver of claim 4, wherein said means for moving said carriage along said third rail comprises a motorized drive assembly.
- 7. The laser engraver of claim 1, wherein said work surface is a substantially flat surface.
  - 8. The laser engraver of claim 4, further comprising means for maintaining the focus of said laser beam on said workpiece.
- 15 9. The laser engraver of claim 8, wherein said means for maintaining the focus of said laser beam on said workpiece comprises:
  - a. a laser diode having a beam situated at one end of said third rail;
  - b. a receptor at the opposite side of said third rail from said laser diode;
  - a plunger body having a port between said laser diode and said receptor,
    wherein said port is aligned with said laser beam;
  - d. a plunger rod slidably received within said plunger body;
  - e. a spring biasing said plunger rod away from said port; and

- f. means for selectively raising and lowering said work surface to a predetermined distance from said reflector when said laser beam is broken.
- 5 10. A laser engraver comprising:

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- a. a cabinet having a top;
- b. a work surface along the top of said cabinet;
- c. a gantry assembly affixed to the top of said cabinet comprising
  - i. a first rail situated along one side of said work surface;
  - ii. a second rail situated along the opposite side of said work surface from said first rail, wherein said first and second rails are oriented parallel to one another;
  - iii. a third rail, oriented perpendicular to said first and second rails, and slidably mounted to said first and second rails;
  - iv. a carriage slidably mounted to said third rail;
  - v. a motorized drive mechanism for moving said third rail along said first and second rails; and
  - vi. a motorized drive mechanism for moving said carriage along said third rail;
- d. a reflector mounted to said carriage, wherein said reflector is oriented toward said work surface;
- e. a laser having a beam, wherein said beam is directed at said reflector; and

- f. a computer for controlling the position of said reflector relative to said work surface.
- 11. The laser engraver of claim 10, further comprising:

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- a. a laser diode having a beam situated at one end of said third rail;
- b. a receptor at the opposite end of said third rail from said laser diode;
- a plunger body having a port between said laser diode and said receptor,
  wherein said port is aligned with said laser beam;
- d. a plunger rod slidably received within said plunger body;
- e. a spring biasing said plunger rod away from said port; and
- f. means for selectively raising and lowering said work surface to a predetermined distance from said reflector when said laser beam is broken.